

Applic. No. 10/539,761
Amdt. dated February 14, 2008
Reply to Office action of November 14, 2007

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FEB 14 2008

Claim Amendments

This listing of the claims will replace all prior versions,
and listings, of claims in the application:

Claim 1 (currently amended): An insulating material piece for an electrical high-voltage device, ~~the insulating material piece comprising: at least one subvolume which is treated so as to change its conductivity, wherein the insulating material piece at least partially comprises a mixture of treated subvolumes~~ first granules and second granules, untreated subvolumes said first granules defining first subvolumes and said second granules defining second subvolumes, said first granules having an increased electrical conductivity with respect to said second granules.

Claim 2 (currently amended): The insulating material piece as claimed in claim 1, wherein the said mixture lies at least partially on the surface of the insulating material piece.

Claim 3 (currently amended): The insulating material piece as claimed in claim 1, wherein ~~the treated~~ said first subvolumes are embedded in the ~~untreated~~ said second subvolumes.

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Claim 4 (currently amended): The insulating material piece as claimed in claim 1, wherein ~~the~~ said subvolumes are made of PTFE.

Claim 5 (currently amended): A method for producing an insulating material piece for an electrical high-voltage device, the insulating material piece having at least one subvolume which is treated so as to change its conductivity, the method comprising:

providing first granules and second granules, the first granules defining first subvolumes and the second granules defining second subvolumes;

treating the first granules for providing an increased electrical conductivity thereof with respect to said second granules;

mixing the treated subvolumes first granules with the untreated subvolumes second granules; and

shaping the mixture so as to produce an insulating material piece.

Claim 6 (previously presented): The method as claimed in

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claim 5, wherein the mixture is sintered.

Claim 7 (new): The method as claimed in claim 5, wherein the treating step is treatment with high energy radiation.

Claim 8 (new): The method as claimed in claim 7, wherein the high energy radiation is alpha, beta, or gamma radiation.

Claim 9 (new): The insulating material piece as claimed in claim 1, wherein the electrical high-voltage device is a high voltage power breaker.